

## REMARKS

Applicants respectfully request consideration of the subject application as amended herein. This Amendment is submitted in response to the Office Action mailed June 22, 2005. Claims 1-22 stand rejected.

### I. Pending Claims

Upon entry of this response, claims 1, 3 - 12, and 14 - 22 will be pending in the present application. More specifically, claims 2 and 13 are cancelled.

### 35 U.S.C. § 102(b) Rejections

The Examiner rejected Claims 1-22 under 35 U.S.C. §102(b) as being anticipated by Want et al (U.S. Patent No. 5,825,675; hereinafter "Want").

Regarding claim 1, Want discloses a hand-held computer device 100 for communication with a main computer and/or other similar hand-held devices in a wireless network. The device 100 is designed in such a way that it fits within the palm of a user's hand and allows for ease of use in the user's left or right hand.

The device 100 disclosed in Want includes a display screen 306 that facilitates the use of a stylus 304 to control the functions of the device 100. Buttons 104, 106, and 108 provided on the device 100 also aid in controlling the device 100. The buttons 104, 106, and 108 only control the functions that appear

as being highlighted on the display screen 306. Want does not teach the reversal of operational functions that does not appear on the screen 306.

The invention as claimed improves ease of use of a portable digital device because having such a reversal feature reduces the need for visual feedback and focused attention, thus reducing the burden on the user having to remember the button functions which are not displayed on the screen whether it is in a first or second orientation. For example, the control for increasing volume being switched to decreasing volume, the control for forward tracking being switched to backward tracking and so forth. When the user first learns to use the device, he/she associates each button with its function. Thus by retaining the location and thus the tactile feeling of the functions, the user need not change his/her association of the buttons with the functions whether the device is use in both the first orientation and the second orientation.

Claims 3 and 5 discloses a portable digital device upon remapping, the increase volume and decrease volume operating functions which are not displayed, are interchanged. Want does not teach the features of claims 3 and 5, i.e. reversal of operational functions that do not appear on the screen 306.

Claim 4 discloses a portable digital device upon remapping, the operation of the menu control knob 20 is reversed and the functions are interchanged. Therefore, rotation clockwise will move the menu to the right, and rotation anticlockwise will move the menu to the left. Want teaches a control button 458 for processing input signals from the stylus. Want does not teach the features of

claim 4, wherein the operation of the knob 20 is reversed and interchanging the functions for improving ease of use.

Regarding claims 6 and 8, Want teaches flipping the display so that it is readable in a normal orientation in either the left held or right held configurations. The functions remain the same in both configurations. But Want does not teach the reversal of operational functions that do not appear on the screen 306 after rotating the display as stated in claims 6 and 8 which claim dependency to claim 1.

Regarding claims 7 and 9, Want teaches using buttons on the hand held computer that is capable of being operated by the right or left hands. But want does not teach the reversal of operational functions that do not appear on the screen 306 as stated in claim 7 which claim dependency to claim 1.

Regarding claim 10, Want teaches assigning functions to buttons when the application software determines from the user input that there is a change in the configuration, either left held or right held. But Want does not teach the reversal of operational functions that do not appear on the screen 306 after rotating the display as stated in claim 10 which claim dependency to claim 1.

Regarding claim 11, Want teaches keeping reference coordinates in the same position, i.e. the lower left of the display as viewed by the user. This ensures that points on the display screen expressed in relative coordinates are the same whether held in the left or right hand configuration. Want does not

teach the reversal of operational functions that do not appear on the screen 306 as stated in claim 11 which claim dependency to claim 1.

Claim 12 discloses rotating information for display from a first rotation position to a second rotation position and remapping at least two operation functions of at least two control devices of the portable device from one operating function to another operating function wherein the at least two operating functions are selected from the group consisting of: skip forwards, skip back, increase volume, decrease volume, menu display move to the left and menu display move to the right.

Want does not teach rotating information for display and remapping operational functions that do not appear on the screen 306.

Claims 14 and 16 discloses a portable digital device upon remapping, the increase volume and decrease volume operating functions which are not displayed, are interchanged. Want does not teach the features of claims 14 and 16, i.e. reversal of operational functions that do not appear on the screen 306.

Claim 15 discloses a portable digital device upon remapping, the operation of the menu control knob 20 is reversed and the functions are interchanged. Therefore, rotation clockwise will move the menu to the right, and rotation anticlockwise will move the menu to the left. Want teaches a control button 458 for processing input signals from the stylus. Want does not teach the features of claim 15, wherein the operation of the knob 20 is reversed and interchanging the functions for improving ease of use.

Regarding claims 17 and 19, Want teaches flipping the display so that it is readable in a normal orientation in either the left held or right held configurations. The functions remain the same in both configurations. But Want does not teach the reversal of operational functions that do not appear on the screen 306 after rotating the display as stated in claims 17 and 19 which claim dependency to claim 12.

Regarding claims 18 and 20, Want teaches using buttons on the hand held computer that is capable of being operated by the right or left hand. But Want does not teach the reversal of operational functions that do not appear on the screen 306 as stated in claim 7 which claim dependency to claim 12.

Regarding claim 21, Want teaches assigning functions to buttons when the application software determines from the user input that there is a change in the configuration, either left held or right held. But Want does not teach the reversal of operational functions that do not appear on the screen 306 after rotating the display as stated in claim 21 which claim dependency to claim 12.

Regarding claim 22, Want teaches keeping reference coordinates in the same position, i.e. the lower left of the display as viewed by the user. This ensures that points on the display screen expressed in relative coordinates are the same whether held in the left or right hand configuration. Want does not teach the reversal of operational functions that do not appear on the screen 306 as stated in claim 11 which claim dependency to claim 12.

In light of the above, we respectively submit that the pending claims are not anticipated by Want and are novel over the prior art.

Applicant, accordingly, respectfully requests withdrawal of the rejections of claims 1-22 under 35 U.S.C. §102(b) as being anticipated by Want.

## II. Cancelled Claims

Claims 2 and 13 are cancelled without prejudice, waiver, or disclaimer. Applicant takes this action merely to reduce the number of disputed issues and to facilitate early allowance and issuance of other claims in the present application. Applicant reserves the right to pursue the subject matter of these cancelled claims in a continuing application, if applicant so chooses, and does not intend to dedicate any of the cancelled subject matter to the public.

## III. Amended Claims

Claims 1, 3, 4, 12, 14 and 15 have been amended. Support of the amendments may be found under lines 12 – 16, page 3 of the specification. Further, the amended claims also conform to the claims of the corresponding PCT application PCT/SG2004/000275 which have recently been allowed by the IPEA over the same prior art. A copy of the IPRP (Chapter II) is enclosed.

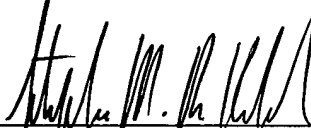
Applicant respectfully submits that the present application is in condition for allowance. If the Examiner believes a telephone conference would expedite

or assist in the allowance of the present application, the Examiner is invited to call Stephen M. De Klerk at (408) 720-8300.

Please charge any shortages and credit any overages to Deposit Account No. 02-2666. Any necessary extension of time for response not already requested is hereby requested. Please charge any corresponding fee to Deposit Account No. 02-2666.

Respectfully submitted,

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Date: September 22, 2005

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**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)  
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>CREA/20401515/KC/kt</b>	<b>FOR FURTHER ACTION</b>	See Form PCT/IPEA/416
International application No. <b>PCT/SG2004/000275</b>	International filing date ( <i>day/month/year</i> ) <b>31 August 2004</b>	Priority date ( <i>day/month/year</i> ) <b>4 September 2003</b>
International Patent Classification (IPC) or national classification and IPC  <b>Int. Cl. <sup>7</sup> G09G 5/30</b>		
Applicant  <b>CREATIVE TECHNOLOGY LTD. et al</b>		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 3 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:
  - a. ☒ (*sent to the applicant and to the International Bureau*) a total of 8 sheets, as follows:
    - ☒ sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
    - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.
  - b. ☐ (*sent to the International Bureau only*) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or table related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

Date of submission of the demand <b>31 March 2005</b>	Date of completion of the report <b>25 July 2005</b>
Name and mailing address of the IPEA/AU <b>AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929</b>	Authorized Officer  <b>S KAUL</b> Telephone No. (02) 6283 2182



# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SG2004/000275

## Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
  - ☐ This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:
    - ☐ international search (under Rules 12.3 and 23.1 (b))
    - ☐ publication of the international application (under Rule 12.4)
    - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):
  - ☐ the international application as originally filed/furnished
  - ☒ the description:
    - pages as originally filed/furnished
    - pages\* 1-5 received by this Authority on 31 March 2005 with the letter of 31 March 2005
    - pages\* received by this Authority on with the letter of
  - ☒ the claims:
    - pages as originally filed/furnished
    - pages\* as amended (together with any statement) under Article 19
    - pages\* 6-8 received by this Authority on 6 July 2005 with the letter of 6 July 2005
    - pages\* received by this Authority on with the letter of
  - ☒ the drawings:
    - pages 1/6-6/6 as originally filed/furnished
    - pages\* received by this Authority on with the letter of
    - pages\* received by this Authority on with the letter of
  - ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
  - ☐ the description, pages
  - ☐ the claims, Nos.
  - ☐ the drawings, sheets/figs
  - ☐ the sequence listing (*specify*):
  - ☐ any table(s) related to the sequence listing (*specify*):
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
  - ☐ the description, pages
  - ☐ the claims, Nos.
  - ☐ the drawings, sheets/figs
  - ☐ the sequence listing (*specify*):
  - ☐ any table(s) related to the sequence listing (*specify*):

\* If item 4 applies, some or all of those sheets may be marked "superseded."

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SG2004/000275

**Box No. V** Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims 1-20	YES
	Claims	NO
Inventive step (IS)	Claims 1-20	YES
	Claims	NO
Industrial applicability (IA)	Claims 1-20	YES
	Claims	NO

## 2. Citations and explanations (Rule 70.7)

### CLAIMS 1-20

None of the citations in the search report, individually or in combination, disclose the features of the claims. In particular there is no disclosure of reversal of operating function of control devices. Furthermore, none of the distinguishing features over prior art would either be obvious to a person skilled in the art or would merely amount to adding common general knowledge. The claims are, therefore, novel and inventive.

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